

Central California Ozone Study (CCOS)
Emission Inventory Coordination Group Meeting

Meeting Highlights
July 21, 1999

Attendees	Affiliation
Phil Martien	Bay Area AQMD
Toch Mangat	Bay Area AQMD
Bruce Katayama	Sacramento Metro AQMD
Brigitte Tollstrup	Sacramento Metro AQMD
Hazel Hoffman	San Joaquin Valley Unified APCD
Dave Jones	San Joaquin Valley Unified APCD
Tom Jordan	San Joaquin Valley Unified APCD
Scott Nestor	San Joaquin Valley Unified APCD
Stephen Shaw	San Joaquin Valley Unified APCD
Gretchen Bennitt	Northern Sierra AQMD
Dick Johnson	Placer County APCD
Tom Roemer	San Luis Obispo County APCD
Larry Greene	Yolo-Solano AQMD
Nancy O'Connor	Yolo-Solano AQMD
Dave Smith	Yolo-Solano AQMD
Gordon Garry	Sacramento Area Council of Government
Guido Franco	California Energy Commission
Morris Goldberg	U.S. Environmental Protection Agency
Michael Benjamin	ARB
Linda Murchison	ARB
Andrew Ranzieri	ARB
Dale Shimp	ARB
Saffet Tanrikulu	ARB
Cheryl Taylor	ARB
Dennis Wade	ARB

1. Welcome and Meeting Highlights

Linda Murchison welcomed everyone to the call. Introductions were made. Highlights of the June 16 conference call were approved as written.

2. Comments on Draft CCOS Study Plan

The draft conceptual plan for the CCOS study is still available for comment. The Emission Inventory Branch (EIB) of ARB prepared written comments and sent them out to all participants. ARB had agreed at the last conference call to write a draft replacement section for the emission inventory portion of the plan. The draft section will be sent to all participants by the end of July. Since some of the comments made by the EIB will be incorporated into the replacement section, ARB will revise the comments made previously and send them out with the draft replacement section. Linda asked that participants review the draft inventory replacement section and provide comments to ARB. Comments on the

proposed section and other portions of the plan will be discussed at the next call. ARB will accept comments on the draft plan until September 15. A second version will be available about the end of September. The study plan is available at ARB's web site at: <http://www.arb.ca.gov/ccags/CCOS/docs>.

3. Status of Scoping Study for Collecting Day-Specific Traffic Count Data

The paperwork to approve the scoping study with Dr. Debbie Niemeier of UC Davis is almost completed. Dr. Niemeier has already begun working on the scoping study.

4. Discussion of Expanded Research Project Proposals

The Emission Inventory Coordination Group (EICG) discussed each of four research proposals. Following is a summary of each. The EICG discussed the priority of the three projects that have yet to be funded. The EICG agreed that the projects related to gridding surrogates and biogenics were the most important, followed by the emission inventory validation studies. ARB will present the scopes of work related to gridding surrogates and biogenics to the Technical Committee on August 5 to seek funding. Please provide any comments to Cheryl Taylor at cataylor@arb.ca.gov.

Integration of Transportation Data for CCOD Domain and run DTIM for Entire Modeling Region

Alpine Geophysics has written a scope of work that was distributed before the meeting. Dennis Wade summarized the proposed tasks. Funding for this project is already available through an existing contract. The project is funded at \$125,000. Linda asked for all comments by Monday, July 26 so the project can proceed.

Development of Base Year and Future Year Gridding Surrogates for Spatial Distribution of Area and Off-Road Source Emission Categories

Dale described the tasks involved in this project. Dave Jones raised a concern about the difference in population forecasts between the Department of Finance and their local councils of governments (COGs). ARB will look into this concern and discuss this with the district.

Development of Input Databases for a Biogenic Hydrocarbon Emissions Inventory for the CCOS Modeling Domain

Michael Benjamin described the tasks involved in creating a biogenics emission inventory for CCOS. Since the results of this project are of interest for both CCOS and CRPAQS, the group discussed the seasonality of biogenic emissions. Generally, biogenic hydrocarbon emissions are less in the winter because of lower biomass, lower ambient temperatures and lower light intensity. Michael felt that only Task 2 (Development and Validation of Leaf Area Index (LAI) Databases) would need to be modified to include seasonality affects. The group agreed to augment Task 2 to include seasonality. The estimated cost of this project would be raised from \$200,000 to \$230,000. Linda requested comments on the biogenics scope of work by August 1.

Emission Inventory Validation Studies

The EICG decided to separate the data collection portion into two tasks. The first task will pertain to emission inventory validation studies using on-road vehicle remote sensing. Phil Martien will develop a scope of work. The second task will relate to the development of VOC speciation profiles. ARB will develop a scope of work. Other validation studies will be considered by the EICG at a later time.

5. Bringing New Districts into EICG

A few more district representatives participated in this meeting. The EICG would like to have more representatives, particularly from the Mountain Counties and the upper Sacramento Valley. One suggestion was to reach districts through the Sacramento Valley and Mountain Counties Technical Advisory Committees (TAC). As one representative from a Sacramento Valley district phrased it, many of the smaller districts are “resource poor”. A direct approach might work best; tell them specifically what they are being asked to do. Another suggestion was a quarterly newsletter. Another possibility is to put information at ARB’s CCOS web site giving a brief synopsis of the project with requested tasks and deadlines. ARB may be able to provide assistance with area source updates. The Emission Inventory Technical Advisory Group (EITAC) meets several times per year to discuss inventory issues with ARB and the districts. EITAC is gathering area source methodologies from districts. These methodologies may be useful in assisting districts update their area sources. ARB is also beginning to develop an area source model that would provide “suggested” methodologies for every area source category.

6. Other Issues

ARB has now added a section to ARB’s web site for the EICG. The URL is www.arb.ca.gov/ccaq/CCOS/ccosei/ccosei.htm. The site allows you to access the current agenda, previous meeting minutes, timeline and research proposals. ARB will continue to update this site. Documents are available in WORD. Phil suggested that ARB also allow documents to be opened in pdf format. ARB will add that option.

Shortly before the meeting, ARB distributed two spreadsheets. One shows the 1996 NO_x and ROG emissions by district in the CCOS domain broken down into source type: stationary sources, area-wide sources, on-road motor vehicles, other mobile sources and natural sources. The other spreadsheet shows the number of facilities above a specified cutoff (e.g. 100 tpy ROG or NO_x) for the smaller districts in the CCOS. Some smaller counties do have some large facilities for which the EICG may wish to gather day-specific data. This item will be discussed more at the next meeting.

7. Plans for Next Meeting

The next conference call is scheduled for August 31 at 1:30 p.m.